BRADLEY J. CARD, P.E. DOUGLAS P. D'HONDT, P.E.

LOUIE W. WISHERT, JR., PLS RICHARD L. WEHR, PLS

July 21, 2000

Mr. Larry Brader 421 Keys Road Yakima, WA 98901

Re:

Ground Water Sampling and Testing

Maid O Clover, Toppenish, Washington

Dear Mr. Brader:

An engineer from this office obtained three ground water samples from the Maid O Clover convenience store located at First Street and Elm Street, Toppenish, Washington on June 30, 1999. Locations of the monitor wells can be found on the figures found in the PLSA Site Assessment and Cleanup Report dated November, 1996. The sample numbers correspond with the monitor well numbers as shown on the figures in the aforementioned report.

The ground water samples were analyzed for diesel, gasoline, benzene, ethyl-benzene, toluene and benzene at Sound Analytical Services in Tacoma, Washington. Analytical results exceed those for xylene and gasoline in monitor well 2 as specified by Washington State Department of Ecology, Washington Administrative Code, Chapter 173-340-720. All other test results comply with this regulation.

Assuming a datum of 100 feet in elevation, ground water elevations were measured to be 88.9 feet, 88.7 feet and 88.5 feet for monitor wells 2, 3 and 4, respectively.

Copies of the analytical results are enclosed for your review.

It was a pleasure to have been of service to you. Should you have any questions regarding this issue, please contact us.

Respectfully Submitted,

Douglas P. D'Hondt, P.E.

Civil Engineer

DPD:jc enclosures

Client Name Client ID: PLSA Engineering

Lab ID:

2 91032-01

Date Received: Date Prepared:

7/13/00

Date Analyzed:

7/17/00

% Solids

7/17/00

Dilution Factor

Analyte

#2 Diesel

5

Diesel by NWTPH-Dx Modified

Recovery Limits
Surrogate % Recovery Flags Low High
o-terphenyl 81 50 150

Result

 $\{mg/L\}$

ND

PQL

MDL Flags

0.24

0.12

<u>``</u>

 Client Name
 PLSA Engineering

 Client ID:
 3

 Lab ID:
 91032-02

 Date Received:
 7/13/00

 Date Prepared:
 7/17/00

 Date Analyzed:
 7/17/00

 % Solids

Diesel by NWTPH-Dx Modified

Recovery Limits
Surrogate % Recovery Flags Low High
o-terphenyi 83.8 50 150

Analyte #2 Diesel

Dilution Factor

Result (mg/L)

PQL 0.14 0.24

5

MDL Flags 0.12 J

Client Name Client ID:

PLSA Engineering 4

Lab ID:

91032-03

Date Received:

7/13/00

Date Prepared:

7/17/00

Date Analyzed: % Solids

7/17/00

Dilution Factor

5

Diesel by NWTPH-Dx Modified

Surrogate o-terphenyl

% Recovery 103

Flags

Recovery Limits Low

High

50 150

Analyte #2 Diesel

Result (mg/L)

ND

PQL

0.24

MDL Flags

0.12

 Client Name
 PLSA Engineering

 Client ID:
 2

 Lab ID:
 90905-01

 Date Received:
 7/7/00

 Date Prepared:
 7/11/00

 Date Analyzed:
 7/11/00

 % Solids

 Dilution Factor
 1

Volatile Aromatic Hydrocarbons by USEPA Method 8021B/5030B Modified

| | | | Recove | ery Limits | |
|--------------------|------------|-------|--------|------------|--|
| Surrogate | % Recovery | Flags | Low | High- | |
| Trifluorotoluene | 85.5 | | 66 | 134 | |
| Bromofluorobenzene | 100 | | 68 | 157 | |

| ags |
|-----|
| |
| |
| |
| |
| |
| |

| | Client Name Client ID: Lab ID: Date Received: Date Prepared: Date Analyzed: % Solids Dilution Factor | | | PLSA Engineering 2 90905-01 7/11/00 7/11/00 7/11/00 | | | :. |
|-------|--|------------|-----------------------------------|--|---------------------------------|---------------------------------|----------|
| | Volatile Petroleum | Products b | y WSDOE-Me | thod-NWTPH-Gx- | viodified | | |
| - | Surrogate Trifluorotoluene Bromofluorobenzene | ······/6 | - Recovery 89.9 96.5 | Flags | Recove - Low - 50 56.8 | ry Limits High 150 143 | |
| | | | | | | <u>-</u> | <u> </u> |
| | Analyte Gasoline by NWTPH-G | ND | Result (mg/L) | PQL 0.1 | | Flags | |

| Client Name | PLSA Engineering |
|-----------------|--------------------|
| Client ID: | 3 |
| Lab ID: | 90905-02 |
| Date Received: | 7/7/ 00 |
| Date Prepared: | 7/11/00 |
| Date Analyzed: | 7/11/00 |
| % Solids | - |
| Dilution Factor | 1 |

Volatile Aromatic Hydrocarbons by USEPA Method 8021B/5030B-Modified

| | | Re | covery Limits |
|--------------------|----------|----------|---------------|
| Surrogate | Recovery | Flags Lo | w High |
| Trifluorotoluene | 84.5 | 6 | 6 134 |
| Bromofluorobenzene | 96.6 | 6 | 8 157 |

| Analyte Benzene | Result (mg/L) ND 0.012 | PQL 0.001 0.001 | MDL Flags 0.00064 0.00051 |
|--|---------------------------------|------------------------------|---------------------------------|
| Toluene Ethylbenzene m&p-Xylene o-Xylene | 0,018 | 0.001 | 0.00037 |
| | 0.028 | 0.002 | 0.00063 |
| | 0.019 | 0.001 | 0.00063 |

| Client Name Client ID: Lab ID: Date Received: Date Prepared: Date Analyzed: % Solids Dilution Factor | PLS ducts by WSDOE Method | SA Engineering 3 90905-02 | · |
|--|----------------------------------|-------------------------------------|-------|
| Surrogate Trifluorotoluene Bromofluorobenzene | % Recovery 115 97.2 | | |
| | | | |
| Analyte Gasoline by NWTPH-G | Result (mg/L) 7.1 | PQL 0.1 | Flags |

| Client Name | PLSA Engineering |
|-----------------|------------------|
| Client ID: | 4 |
| Lab ID: | 90905-03 |
| Data Dansiyadi | 7/7/00 |
| Date Received: | |
| Date Prepared: | 7/11/00 |
| Date Analyzed: | 7/11/00 |
| % Solids | - |
| Dilution Factor | 1 |

Volatile Aromatic Hydrocarbons by USEPA Method 8021B/5030B Modified

| | | Reco | overy Limits |
|--------------------|----------|-------------|--------------|
| Surrogate | Recovery | Flags - Low | High |
| Trifluorotoluene | 84.6 | 66 | 134 |
| Bromofluorobenzene | 92.5 | 68 | 157 |

| Analyte Benzene | Result (mg/L) ND ND | PQL 0.001 0.001 | MDL Flags 0.00064 0.00051 |
|--|------------------------------|------------------------------|---------------------------------|
| Toluene Ethylbenzene m&p-Xylene o-Xylene | ND | 0.001 | 0.00037 |
| | ND | 0.002 | 0.00063 |
| | ND | 0.001 | 0.00063 |

| Client Name Client ID: Lab ID: | F | PLSA Engineering 4 90905-03 7/7/00 | 3 | | |
|---|-----------------------------------|---|-------------|------------|-----|
| Date Received: Date Prepared: Date Analyzed: % Solids Dilution Factor | | 7/11/00 7/11/00 7/11/00 - 1 | | | |
| Volatile Petroleum | Products by WSDOE Meth | nod NWTPH-Gx | | | |
| | | | | ery Limits | |
| Surrogate Trifluorotoluene Bromofluorobenzene | % Recovery 56.7 62.1 | - ·· ·Flags ··· · | 50 56.8 | 150 143 | . = |
| Diomondocale | | | | | |

| Analyte | Result (mg/L) | PQL 0.1 | Flags |
|---------------------|------------------|----------------|-------|
| Gasoline by NWTPH-G | ND | 0.1 | |